



Total Maximum Daily Load Information Sheet

Clear Fork

Water Body Segment at a Glance:

County: Johnson
Nearby Cities: Knob Noster
Length of impaired segment: 24.5 miles
Length of impairment within segment: 3.0 miles
Pollutant: Low Dissolved Oxygen
Source: Knob Noster Wastewater Treatment Facility
Water Body ID: 0935



State Map Showing Location of Watershed

Scheduled for TMDL development: 2016

Description of the Problem

Designated beneficial uses of Clear Fork

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

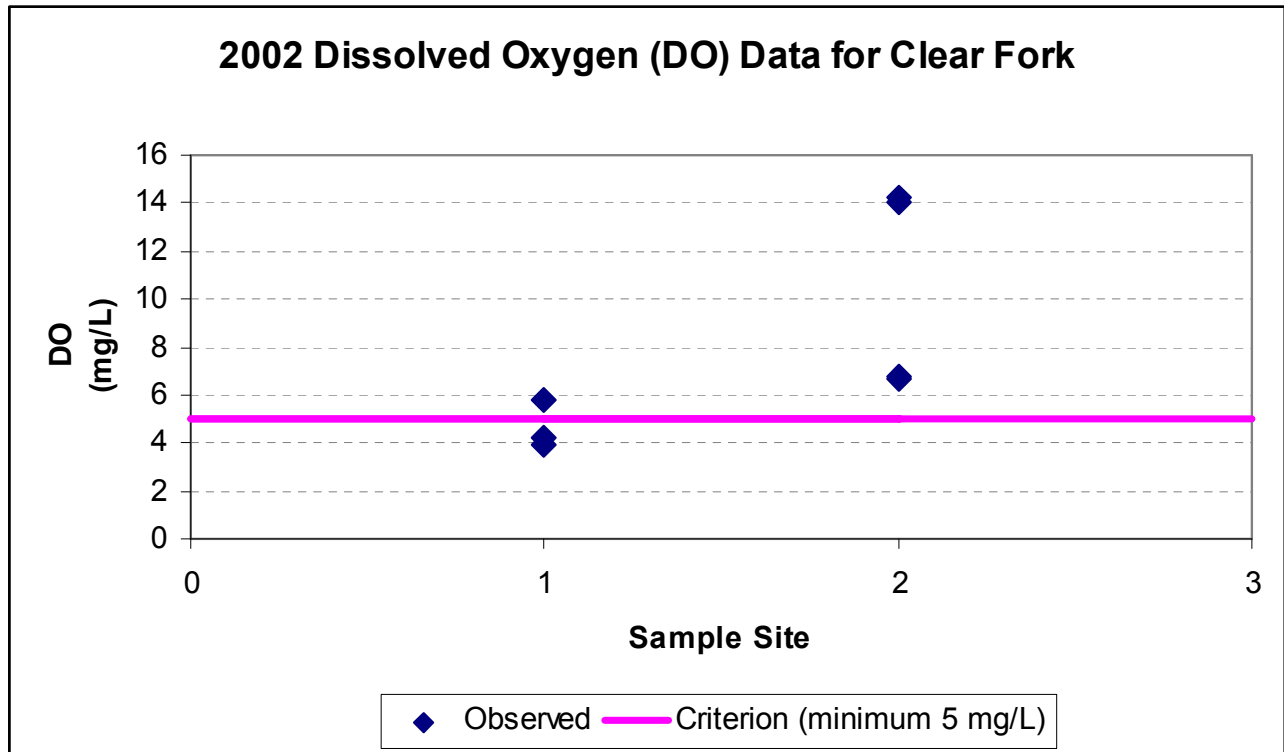
- The Missouri Water Quality Standards are found in 10 CSR 20-7.031. The chronic criterion for dissolved oxygen in streams, found in Table A of this section, is 5.0 mg/L (milligrams per liter or parts per million).

Background information and water quality data

Clear Fork passes along the west side of Knob Noster in Johnson County, Mo., and then flows northwest until it joins the Blackwater River. It was listed due to low dissolved oxygen.

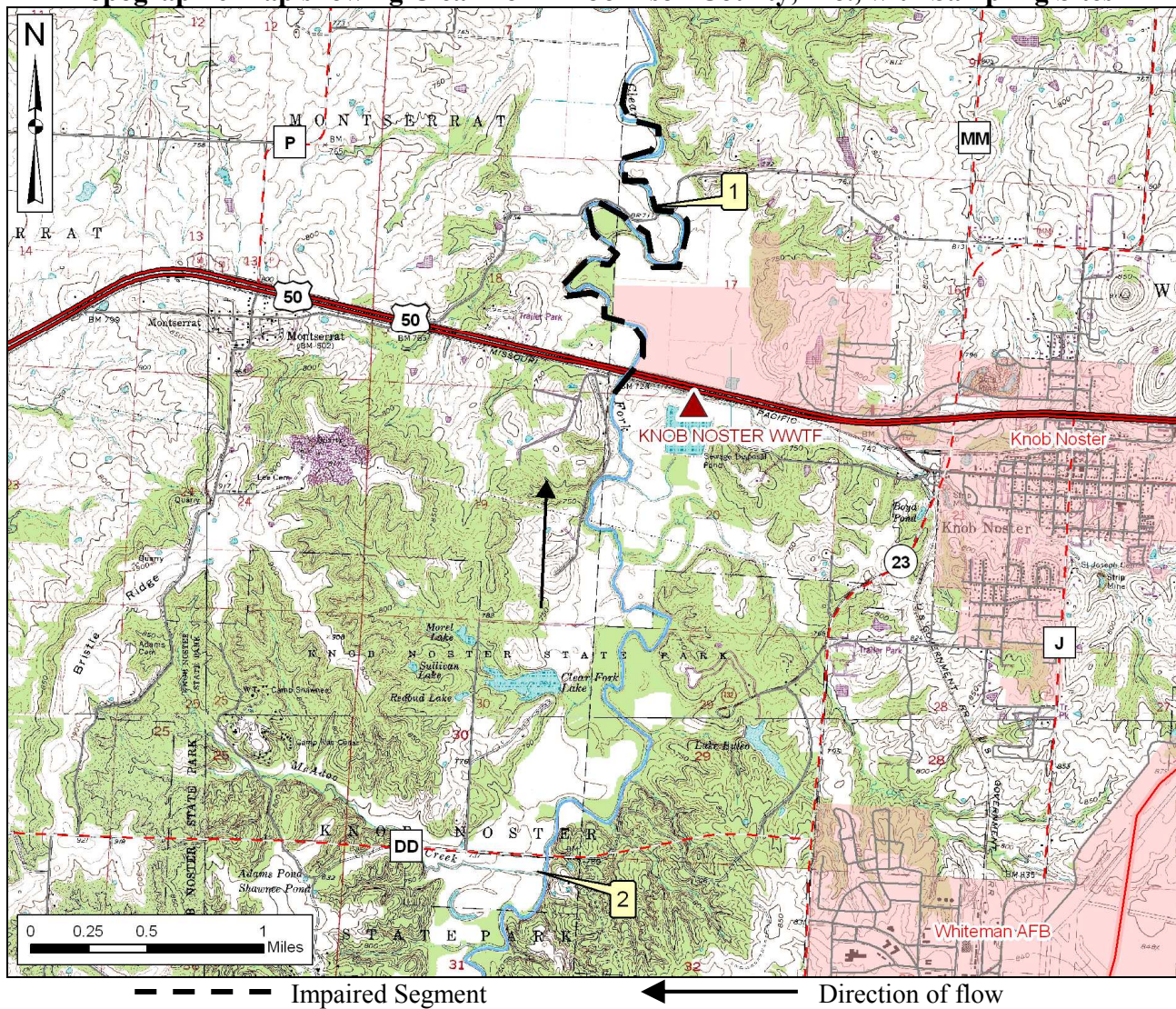
Dissolved oxygen is important as many aquatic organisms require high levels of oxygen to survive. For dissolved oxygen, if more than 10 percent of measurements in a water body fail to meet the water quality criterion, that water body is judged to be impaired. In the case of Clear Fork, two of 3 samples (66.7 percent) at one site did not meet the criterion in 2002. However, all five samples

collected at a second site met the criterion. Due to the small sample size, the department determined that the data set was inadequate for making a scientifically defensible decision regarding impairment and gave the creek high priority for additional monitoring, but did not recommend it for the 303(d) list. The U.S. Environmental Protection Agency, however, countered that the department could not justify NOT listing the creek since the data met our listing methodology criteria. Therefore, Clear Fork was placed on the 2004-06 List.



A map showing the location of the sampling sites and the impaired portion of Clear Fork is on the next page.

Topographic Map showing Clear Fork in Johnson County, Mo., with Sampling Sites



Sample Sites

- 1 – Clear Fk. 2.5 miles below Knob Noster WWTF* at County Road 751
- 2 – Clear Fk 3.2 miles below Whiteman WWTP† near State Highway DD

* WWTF = wastewater treatment facility

† WWTP = wastewater treatment plant

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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